

Annex 4A. Landfills (IPCC 4A1)
to the Technical Support Document for California's 2000-2014 Greenhouse Gas
Emission Inventory

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Variables Used in the Emissions Estimation Equations

Values last updated on Wednesday, March 30, 2016

IPCC category = 4A1 — Solid Waste Disposal - Managed Waste Disposal Sites

► Sector = Landfills >

Activity = Landfill gas generation - Landfill gas

- Variable Name -	- Year -	- Value and Units -	- Reference -
Landfill gas generation - Landfill gas	2000	134,426,438,918 scf	IPCC, 2006f
Landfill gas generation - Landfill gas	2001	141,220,484,400 scf	IPCC, 2006f
Landfill gas generation - Landfill gas	2002	146,077,775,319 scf	IPCC, 2006f
Landfill gas generation - Landfill gas	2003	145,936,462,693 scf	IPCC, 2006f
Landfill gas generation - Landfill gas	2004	146,706,877,876 scf	IPCC, 2006f
Landfill gas generation - Landfill gas	2005	150,367,576,073 scf	IPCC, 2006f
Landfill gas generation - Landfill gas	2006	154,434,744,560 scf	IPCC, 2006f
Landfill gas generation - Landfill gas	2007	156,644,166,938 scf	IPCC, 2006f
Landfill gas generation - Landfill gas	2008	158,498,868,511 scf	IPCC, 2006f
Landfill gas generation - Landfill gas	2009	160,610,241,202 scf	IPCC, 2006f
Landfill gas generation - Landfill gas	2010	162,977,542,140 scf	IPCC, 2006f
Landfill gas generation - Landfill gas	2011	164,132,055,789 scf	IPCC, 2006f
Landfill gas generation - Landfill gas	2012	166,707,173,849 scf	IPCC, 2006f
Landfill gas generation - Landfill gas	2013	167,422,687,139 scf	IPCC, 2006f
Landfill gas generation - Landfill gas	2014	168,413,620,927 scf	IPCC, 2006f
Landfill gas CH4 emission factor	2000	2.15 g / scf	IPCC, 2006f
Landfill gas CH4 emission factor	2001	2.09 g / scf	IPCC, 2006f
Landfill gas CH4 emission factor	2002	2 g / scf	IPCC, 2006f
Landfill gas CH4 emission factor	2003	2.04 g / scf	IPCC, 2006f
Landfill gas CH4 emission factor	2004	2.02 g / scf	IPCC, 2006f
Landfill gas CH4 emission factor	2005	2.02 g / scf	IPCC, 2006f
Landfill gas CH4 emission factor	2006	1.98 g / scf	IPCC, 2006f
Landfill gas CH4 emission factor	2007	1.97 g / scf	IPCC, 2006f
Landfill gas CH4 emission factor	2008	1.99 g / scf	IPCC, 2006f
Landfill gas CH4 emission factor	2009	2 g / scf	IPCC, 2006f
Landfill gas CH4 emission factor	2010	1.99 g / scf	IPCC, 2006f
Landfill gas CH4 emission factor	2011	2 g / scf	IPCC, 2006f
Landfill gas CH4 emission factor	2012	1.97 g / scf	IPCC, 2006f
Landfill gas CH4 emission factor	2013	1.96 g / scf	IPCC, 2006f
Landfill gas CH4 emission factor	2014	1.97 g / scf	IPCC, 2006f
Landfill gas CO2 emission factor	2000	46.7 g / scf	IPCC, 2006f
Landfill gas CO2 emission factor	2001	46.9 g / scf	IPCC, 2006f
Landfill gas CO2 emission factor	2002	47.1 g / scf	IPCC, 2006f
Landfill gas CO2 emission factor	2003	47 g / scf	IPCC, 2006f
Landfill gas CO2 emission factor	2004	47.1 g / scf	IPCC, 2006f
Landfill gas CO2 emission factor	2005	47.1 g / scf	IPCC, 2006f
Landfill gas CO2 emission factor	2006	47.2 g / scf	IPCC, 2006f
Landfill gas CO2 emission factor	2007	47.2 g / scf	IPCC, 2006f
Landfill gas CO2 emission factor	2008	47.2 g / scf	IPCC, 2006f
Landfill gas CO2 emission factor	2009	47.1 g / scf	IPCC, 2006f
Landfill gas CO2 emission factor	2010	47.1 g / scf	IPCC, 2006f
Landfill gas CO2 emission factor	2011	47.1 g / scf	IPCC, 2006f
Landfill gas CO2 emission factor	2012	47.2 g / scf	IPCC, 2006f
Landfill gas CO2 emission factor	2013	47.2 g / scf	IPCC, 2006f
Landfill gas CO2 emission factor	2014	47.2 g / scf	IPCC, 2006f

Variables Used in the Emissions Estimation Equations*Values last updated on Wednesday, March 30, 2016*

Landfill gas N2O emission factor	2000	2.596E-05 g / scf	TSD Landfills
Landfill gas N2O emission factor	2001	2.643E-05 g / scf	TSD Landfills
Landfill gas N2O emission factor	2002	2.628E-05 g / scf	TSD Landfills
Landfill gas N2O emission factor	2003	2.683E-05 g / scf	TSD Landfills
Landfill gas N2O emission factor	2004	2.719E-05 g / scf	TSD Landfills
Landfill gas N2O emission factor	2005	2.778E-05 g / scf	TSD Landfills
Landfill gas N2O emission factor	2006	2.812E-05 g / scf	TSD Landfills
Landfill gas N2O emission factor	2007	2.868E-05 g / scf	TSD Landfills
Landfill gas N2O emission factor	2008	2.894E-05 g / scf	TSD Landfills
Landfill gas N2O emission factor	2009	2.922E-05 g / scf	TSD Landfills
Landfill gas N2O emission factor	2010	2.961E-05 g / scf	TSD Landfills
Landfill gas N2O emission factor	2011	2.975E-05 g / scf	TSD Landfills
Landfill gas N2O emission factor	2012	3.008E-05 g / scf	TSD Landfills
Landfill gas N2O emission factor	2013	3.013E-05 g / scf	TSD Landfills
Landfill gas N2O emission factor	2014	3.021E-05 g / scf	TSD Landfills